We Claim:

- 1. An apparatus for introducing a closure media to seal a puncture site in a vessel comprising
- a catheter including a closure media
 introduction port;
 - a static mixer in communication with the closure media introduction port;
 - a closure media delivery lumen coupled to the static mixer; and
- an expandable member coupled to a distal portion of the catheter.
 - 2. An apparatus as in claim 1, further comprising
- a guidewire lumen extending from a proximal portion to the distal portion of the catheter.
 - 3. An apparatus as in claim 1 wherein the static mixer is a cartridge.
 - 4. An apparatus as in claim 1 wherein the static mixer is incorporated into
- 20 the catheter.
 - 5. An apparatus for introducing a closure media to seal a puncture site in a vessel comprising
 - a catheter including a closure media
 introduction port;
- a guidewire lumen extending from a proximal portion to a distal portion of the catheter;
 - a static mixer coupled to the closure media introduction port;
- a closure media delivery lumen coupled to the 30 static mixer;
 - a closure media advancement port positioned at the distal portion of the catheter; and
 - an expandable member coupled to the distal portion of the catheter.
- 35 6. An apparatus as in claim 5

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wherein the static mixer is a cartridge.

- 7. An apparatus as in claim 5
- wherein the static mixer is incorporated into the catheter.
- 5 8. An apparatus as in claim 5 wherein the static mixer is in a surrounding relationship to the guidewire lumen.
 - 9. An apparatus as in claim 5
- wherein the expandable member comprises a 10 balloon sized to be inflatable within an interior of a blood vessel.
 - 10. An apparatus as in claim 5 wherein the expandable member comprises a basket.
- 15 11. A closure device for sealing a puncture in a body vessel comprising

an elongated body having a proximal end and a distal end sized to be positioned

within a lumen of the body vessel; and

20 first and second closure composition precursor lumens within the elongated body,

the first and second closure composition lumens containing one or precursor more closure composition precursors, the first and second closure composition precursor lumen respectively having first and second entrance ports adjacent the proximal end of the elongated body through which the one or more fluent closure composition precursors can be delivered into the first and second composition precursor lumens respectively, each of the first and second closure composition precursor lumens including an exit port for separately delivering a fluent closure composition precursor adjacent the distal end of the elongated body, the first and second closure composition precursor lumens being connected within the elongated body to cause mixing 5

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of the closure composition precursor carried within each lumen.

- 12. The closure device of claim 11
- wherein each of the first and second closure composition precursor lumens include at least two exit ports, the exit ports of the first and second closure composition lumens being alternatively positioned around the elongated body.
 - 13. The closure device of claim 11
- wherein the first and second closure composition precursor lumens are connected within the elongated body to cause mixing of closure composition precursor carried within each lumen.
 - 14. The closure device of claim 11
- wherein the first and second closure composition precursor lumens are connected within the elongated body by a static mixer to cause mixing of the closure composition precursor carried within each lumen.
 - 15. The closure device of claim 14 wherein the static mixer is a cartridge.
 - 16. The closure device of claim 14 wherein the static mixer is incorporated into the catheter.
- 17. A closure device for sealing a puncture25 in a body vessel comprising
 - a sealer/dilator for dilating tissue adjacent a vessel puncture, the sealer dilator including a proximal end and a distal end sized to not enter the vessel; and
- at least one closure composition precursor lumen within the sealer/dilator having an entrance port adjacent the proximal end of the sealer/dilator through which one or more fluent closure composition precursors can be delivered into the closure composition precursor lumen, a static mixer which mixes the one or more fluent

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closure composition precursors within the closure composition precursor lumen, and an exit port adjacent the distal end of the sealer dilator through which the one or more fluent closure composition precursors can be delivered outside the vessel adjacent the vessel puncture.

- 18. The closure device of claim 17 wherein the static mixer is incorporated into the catheter.
- 10 19. The closure device of claim 17 wherein the static mixer is a cartridge.
 - 20. A closure device for sealing a puncture in a body vessel comprising
- a sealer/dilator for dilating tissue adjacent

 15 a vessel puncture, the sealer dilator including a
 proximal end and a distal end sized to not enter the
 vessel;

at least two closure composition precursor lumens within the sealer/dilator having an entrance ports adjacent the proximal end of the sealer/dilator through which one or more fluent closure composition precursors can be delivered into the closure composition precursor lumen, and exit ports adjacent the distal end of the sealer/dilator through which the one or more fluent closure compositions can be delivered outside the vessel adjacent the vessel puncture, the at least two closure composition precursor lumens being connected at a junction within the sealer/dilator;

a static mixer connected at the junction to 30 cause mixing of closure composition precursor carried within each lumen; and

an exit port adjacent the distal end of the sealer/dilator through which the one or

more fluent closure composition precursors can 35 be delivered outside the vessel adjacent the vessel puncture.

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- 21. The closure device of claim 20
 wherein the at least two closure composition
 precursor lumens include at least two exit ports, the
 exit ports of the at least two lumens being alternatively
 - 22. The closure device of claim 20 further comprising a guidewire lumen.

positioned around the distal end of the sealer/dilator.

- 23. The closure device of claim 20 wherein the static mixer is incorporated into the catheter.
 - 24. The closure device of claim 20 wherein the static mixer is a cartridge.
- 25. A closure device for sealing a puncture
 15 in a body vessel comprising
 - a catheter having a proximal end and a distal end;
 - at least two closure composition precursor lumens within the catheter having entrance ports adjacent the proximal end of the catheter through which one or more fluent closure composition precursors can be delivered into the closure composition precursor lumen, and exit ports adjacent the distal end of the catheter through which the one or more fluent closure compositions can be delivered outside the vessel adjacent the vessel puncture, the at least two closure composition precursor lumens being connected at a junction within the catheter; and
- a static mixer connected at the junction to cause mixing of closure composition precursor carried within each lumen.
 - 26. The closure device of claim 25 wherein the static mixer is incorporated into the catheter.
- 35 27. The closure device of claim 25

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wherein the static mixer is a cartridge.

28. The closure device of claim 25

wherein each of the at least two closure composition precursor lumens include at least two exit ports, the exit ports of the at least two lumens being alternatively positioned around the distal end of the catheter.